EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2514	(600/509,513,514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/17 18:53
S1	79130	(("600") or ("607")).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 10:47
S2	129	S1 and "signal separation"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/30 12:04
S3	1037	(600/509).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/30 15:42
S4	323	(600/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/30 18:06
S5	44	(600/514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/30 18:06
S6	12	("4830006" | "4905706" | "5012815" | "5466254" | "5476483" | "5554177" | "5687738" | "5700283" | "6044298" | "6190324" | "6409675" | "6411840").PN. OR ("6643548").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/30 18:07
S7	44	("3048166" | "3052756" | "3280817" | "3762397" | "4450838" | "4549552" | "4586514" | "4628939").PN. OR ("4905706").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/30 18:08
S8	40	("4815469" | "4915113" | "5040533" | "5040538" | "5113869" | "5342408" | "5365932" | "5368040" | "5404877" | "5411031" | "5454838" | "5496351" | "5511553" | "5518001" | "5544661" | "5556421" | "5720770" | "5743268" | "5788643" | "5791344" | "5792197" | "5836889" | "5904708" | "5935081" | "6045513" | "6077227" | "6264611" | "6312378").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/30 18:15

		OR ("6409675").URPN.				
S9	105	("3442264" | "3573394" | "3799147" | "3903733" | "4008408" | "4054808" | "4094308" | "4146955" | "4183249" | "4226248" | "4234813" | "4255791" | "4268912" | "4308870" | "4376302" | "4385255" | "4387378" | "4406967" | "4413630" | "4424465" | "4428380" | "4458693" | "4491051" | "4509527" | "4546777" | "4549551" | "4586514" | "4628321" | "4630203" | "4656385" | "4697597" | "4700712" | "4712565" | "4742458" | "4777961" | "4781200" | "4784154" | "4792145" | "4803986" | "4803996" | "4805633" | "4812976" | "4821584" | "4840183" | "4842411" | "4862144" | "4862361" | "4862897" | "4905706" | "4924875" | "4928705" | "4947859" | "4957369" | "4967760" | "4991581" | "5002058" | "5002060" | "5003605" | "5010889" | "5012815" | "5025809" | "5035247" | "5036857" | "5056201" | "5086776" | "5109863" | "5129403" | "5140992" | "5164627" | "5176153" | "5213108" | "5218969" | "5301679" | "5315512" | "5337752" | "5363401" | "5365937" | "5381804" | "5394876" | "5455385" | "5501229" | "5551437" | "5553113" | "5595188" | "5598845" | "5617869" | "5638823" | "5673702" | "5680513" | "5686917" | "5687738" | "5704365" | "5718233" | "5724967" | "5724968" | "5724983" | "5727561" | "5785657" | "5796920" | "5807268" | "5853005" | "Re32180").PN. OR ("6193668").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/30 18:20

S10	22	("4722342" | "4763655" | "4846195" | "4886064" | "4896068").PN. OR ("5040533").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/30 18:26
S11	1	("5404877").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/01 09:09
S12	1	("6409675").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/01 10:00
S13	79231	(("600") or ("607")).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/01 10:00
S14	320	S13 and extravascular	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 10:01
S15	88	S14 and (ecg ekg)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 10:07
S16	14	("4784162" | "4827943" | "5606969" | "5919141" | "5961446" | "5961450" | "6050940" | "6375614" | "6409675" | "6415174" | "6454708" | "6480733" | "6491639" | "6628986").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 10:14
S17	24	S13 and "blind source separation"	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 13:15
S18	1039	(600/509).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/01 13:15
S19	604	S18 and filter$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 13:16
S20	176	S19 and (sound or microphone or accelerometer)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 14:35
S21	736	detect$4 near2 cardiac near2 signal	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 14:36
S22	50	S21 and "heart sound"	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 15:07
S23	2	"6792308"	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 15:21

S24	1	("20030032889").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/01 15:21
S25	5	(("5704365") or ("6409675") or ("20030032889") or ("5935081") or ("6792308")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/01 15:32
S26	5	(US-20030032889-$).did. or (US-5704365-$ or US-5935081-$ or US-6409675-$ or US-6792308-$).did.	US-PGPUB; USPAT	OR	ON	2005/12/01 15:32
S27	18	("20030032889" | "4784162" | "4827943" | "5606969" | "5704365" | "5919141" | "5935081" | "5961446" | "5961450" | "6050940" | "6375614" | "6409675" | "6409675" | "6415174" | "6454708" | "6480733" | "6491639" | "6628986" | "6792308").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/01 15:38
S28	1108	(600/509).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 09:07
S29	354	(600/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 09:10
S30	47	(600/514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 09:11
S31	419	(600/515).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 09:11
S32	1	("20050220636").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 14:54
S33	183	("600".clas. "607".clas.) and ("blind source separation" bss ica "independent component anylysis")	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 13:50
S34	5	("4736751" | "5601081"). PN. OR ("6544170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 11:55
S35	6632	powell.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 13:50
S36	429	S35 and thomas	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 13:51

S37	14	S36 and bell	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 13:53
S38	100	(600/511).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 13:54
S39	45	S38 and pulse	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 13:54
S40	22	(US-20030032889-$ or US-20060047215-$ or US-20020095090-$ or US-20030088164-$ or US-20030166996-$ or US-20050192500-$ or US-20050267377-$ or US-20050277841-$).did. or (US-5935081-$ or US-6792308-$ or US-6409675-$ or US-5704365-$ or US-6371921-$ or US-6424960-$ or US-6544170-$ or US-4736751-$ or US-5601081-$ or US-6936012-$ or US-7018338-$ or US-7037267-$ or US-3811428-$ or US-4781200-$).did.	US-PGPUB; USPAT	OR	ON	2006/08/21 14:36
S41	21	(US-5556421-$ or US-5496351-$ or US-5411031-$ or US-5404877-$ or US-7047071-$ or US-6409675-$ or US-7035684-$ or US-6869404-$ or US-6600949-$ or US-6589188-$ or US-5113869-$ or US-6699200-$ or US-6501983-$ or US-6480733-$ or US-6527729-$ or US-5388578-$ or US-5331966-$ or US-5313953-$ or US-7016721-$ or US-6115630-$ or US-6115628-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 15:04

S42	112	("3478746" | "3940692" | "4210149" | "4310000" | "4336810" | "4411271" | "4481950" | "4513743" | "4552154" | "4562846" | "4586508" | "4625730" | "4679144" | "4681117" | "4875483" | "4905708" | "5014701" | "5042497" | "5052399" | "5086772" | "5088488" | "5111816" | "5113869" | "5133350" | "5135004" | "5193550").PN. OR ("5313953").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 15:19
S43	87	(607/23).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 15:25
S44	17	S43 and $thoracic	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 15:26
S47	61	("4223679" | "4295474" | "4625730" | "4692719" | "4702253" | "4825869" | "4886064" | "4901725" | "5003976" | "5042497" | "5058583" | "5076272" | "5088491" | "5113869" | "5197467" | "5201808").PN. OR ("5404877").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 08:53
S48	23	("4936304" | "5304208"). PN. OR ("5496351").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 12:36
S49	1681	(600/509,513,514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 08:09
S50	17	("20030083583" | "20040106957" | "5188117" | "5564430" | "5620466" | "5658317" | "5662688" | "5702425" | "5755738" | "5891171" | "5957857" | "6029086" | "6112119" | "6418343" | "6434426" | "6493584" | "6584351").PN. OR ("7155275").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 08:25
S51	8	("4091818" | "5313953" | "5331966" | "5511553" | "5522860" | "5697958" | "6412490").PN. OR ("6584351").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 09:06

S52	1	("5010887").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 09:06
S53	57	("3858034" | "4000461" | "4129133" | "4173230" | "4250889" | "4263919" | "4458692" | "4478224" | "4686988" | "4712555" | "4790317" | "4830020" | "4913146").PN. OR ("5010887").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 09:07
S54	79	S50 S51 S52 S53	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 09:08
S55	12	("4712555" | "4788980" | "4799493" | "4940052" | "4944298" | "4960123" | "5466254" | "5817134" | "5868680" | "5871507" | "5967995").PN. OR ("6493584").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 09:20
S56	10	("4408615" | "4420815" | "4537200" | "5010887" | "5687735").PN. OR ("6041250").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 09:28
S57	29	("3677260" | "3927663" | "3985142" | "4135159" | "4173230" | "4243045" | "4379459" | "4516579" | "4638808" | "4649931" | "4766902").PN. OR ("4960123").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 10:29
S58	24	("600".clas. "607".clas.) and (verif$ confirm$) with (heart adj sound)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 10:46
S59	1	("4763646").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 10:37
S60	44	("2368207" | "3156235" | "3241556" | "3358690" | "3638656" | "3650277" | "3659615" | "3857399" | "4428378" | "4545380" | "4549548" | "4550732" | "4559946" | "4579119").PN. OR ("4763646").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 10:37

S61	210	("600".clas. "607".clas.) and (verif$ confirm$) same (ecg ekg electrocardiogram electrocardiograph) same (microphone "heart sound" impedance pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 11:14
S62	308	("600".clas. "607".clas.) and (correlat$5) same (ecg ekg electrocardiogram electrocardiograph) same (microphone "heart sound" impedance pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 11:14
S63	78	("600".clas. "607".clas.) and (correlat$5) with (ecg ekg electrocardiogram electrocardiograph) with (microphone "heart sound" impedance pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 11:14
S64	15	(US-20070066907-$ or US-20050240234-$ or US-20040116969-$ or US-20060064026-$ or US-20030055343-$).did. or (US-6584351-$ or US-5010887-$ or US-6493584-$ or US-6650940-$ or US-6491639-$ or US-4763646-$ or US-6440082-$ or US-5702427-$ or US-7096064-$ or US-6527729-$).did.	US-PGPUB; USPAT	OR	ON	2007/03/22 15:24
S65	0	"607".clas. and nonintrathoracic	US-PGPUB; USPAT	OR	ON	2007/03/22 15:24
S66	32	"607".clas. and "non-intrathoracic"	US-PGPUB; USPAT	OR	ON	2007/03/22 15:25
S67	6	"607".clas. and "extrathoracic"	US-PGPUB; USPAT	OR	ON	2007/03/22 15:26
S68	125	"607".clas. and "extracardiac"	US-PGPUB; USPAT	OR	ON	2007/03/22 15:26
S69	254	bardy.in.	US-PGPUB; USPAT	OR	ON	2007/03/22 16:24
S70	436	(600/528).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 15:28
S71	21	S69 and sound	US-PGPUB; USPAT	OR	ON	2007/03/22 16:22
S72	3220	(607/4,5,9).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 16:24

S73	23	S72 and "heart sound" same (ecg ekg electrocardiogra$)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:28
S74	19	S72 and skelet$ same (ecg ekg electrocardiogra$)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:29
S75	17	(US-5388578-$ or US-6115628-$ or US-5411031-$ or US-5313953-$ or US-6869404-$ or US-5331966-$).did. (US-20050240234-$).did. or (US-RE35122-$ or US-5337752-$ or US-5178154-$ or US-4446873-$ or US-4428380-$ or US-RE30750-$ or US-3318303-$ or US-5700283-$ or US-5687738-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 10:33
S76	54	("3253595" | "4289138" | "4387717" | "4424818" | "4579119" | "4595012" | "4892102" | "4895152" | "4995389" | "5087243" | "5105826" | "5133422" | "5158097" | "5172694" | "5203348").PN. OR ("5388578").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 11:08
S77	17	S76 and (sound microphone accelerometer "blood pressure")	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 11:08
S78	62	(US-20070066907-$ or US-20070021676-$ or US-20030055343-$ or US-20070055167-$ or US-20050192500-$ or US-20050267377-$ or US-20030166996-$ or US-20030088164-$ or US-20030032889-$ or US-20040116969-$ or US-20060047215-$ or US-20020095090-$ or US-20050137490-$ or US-20050277841-$ or US-20050240234-$ or US-20030149369-$ or US-20060064026-$).did. or (US-4825869-$ or US-5010887-$ or US-7151957-$ or US-6371921-$ or US-4830020-$ or US-6424960-$ or US-4736751-$ or US-3811428-$ or US-4763646-$ or US-	US-PGPUB; USPAT	OR	ON	2007/04/11 12:29

		6493584-$ or US-6792308-$ or US-7037267-$ or US-6544170-$ or US-5554177-$ or US-6936012-$ or US-4781200-$ or US-4546777-$ or US-6527729-$ or US-6491639-$ or US-5197467-$ or US-5704365-$ or US-6366811-$ or US-5935081-$ or US-6041250-$ or US-5496351-$ or US-5404877-$).did. or (US-6440082-$ or US-7035684-$ or US-5331966-$ or US-4960123-$ or US-6409675-$ or US-6685649-$ or US-6584351-$ or US-5702427-$ or US-7096064-$ or US-7139609-$ or US-7018338-$ or US-6650940-$ or US-5601081-$ or US-5388578-$ or US-6501983-$ or US-5337752-$ or US-5178154-$ or US-4446873-$ or US-RE30750-$).did.				
S79	4	S75 and "45"	US-PGPUB; USPAT	OR	ON	2007/04/11 12:29
S80	7	S75 and S78	US-PGPUB; USPAT	OR	ON	2007/04/11 12:29
S81	11	re30750	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 08:09
S82	1	("re30750").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 08:26
S83	1	("20050240234").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 10:48
S84	1	("5388578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 11:49
S85	1691	(600/509,513,514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 11:49
S86	1762	"60"$.clas. and (signal with separation)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 15:47
S87	1269	"60"$.clas. and ((signal near3 separation) or ((principal independent) near3 component near3 analysis))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 15:48

S88	1643	"60"$.clas. and (((signal source) near3 separation) or ((principal independent) near3 component near3 analysis))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 15:49
S89	1350	"60"$.clas. and (((signal source) near2 separation) or ((principal independent) near2 component near2 analysis))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 15:50
S90	763	S88 and (heart cardiac)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 15:50
S91	1645	"60"$.clas. and (((signal source) near3 separation) or ((principal independent) near3 component near3 analysis))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/23 08:25
S92	763	S91 and (heart cardiac)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/23 08:25
S93	763	S92	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/23 08:25
S94	9	("3991365" | "4086917" | "4143650" | "5524631" | "5620003" | "5987983" | "5989193" | "6030347" | "6450957").PN. OR ("6942621").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/23 09:48
S95	1	("4378022").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/23 09:48
S96	1830	(600/509,513,514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 10:47
S97	1	("20050240234").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 10:16
S98	1	("re30750").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 11:25
S99	1	("5388578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 14:09
S100	1	("5919216").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/28 09:44

S101	1	("5031617").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/28 09:47
S102	1	("6853862").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/28 10:09
S103	2327	(600/509,513,514).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/05 08:44
S105	6	(("2002107552") or ("2002147474") or ("5417714") or ("5342404") or ("6144879") or ("5556421") or ("6198952") or ("5184614") or ("2003158492")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/13 10:23
S106	85	"60"$.clas. and (cardiac heart) same ("source separation")	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/13 10:32
S107	186	("20020035376" | "20020035377" | "20020035378" | "20020035379" | "20020035380" | "20020035381" | "20020042629" | "20020042630" | "20020042634" | "20020049475" | "20020049476" | "20020052636" | "20020068958" | "20020072773" | "20020082658" | "20020085741" | "20020091414" | "20020095184" | "20020103510" | "20020107544" | "20020107545" | "20020107546" | "20020107547" | "20020107548" | "20020107549" | "20020107552" | "20020107559" | "20020120299" | "20020136328" | "20020147474" | "20030004546" | "20030004552" | "20030023175" | "20030036778" |	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/13 10:35

"20030045904" |
"20030060723" |
"20030069609" |
"20030088278" |
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"20030212436" |
"20040111021" |
"20040172066" |
"20040220629" |
"20040220633" |
"20040230129" |
"20040230230" |
"20040260522" |
"20050010120" |
"20050119708" |
"20050240234" | "4562841"
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EAST Search History (Interference)

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S104	7	"600".clas. and (cardiac with "source separation").clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/05 08:50

9/17/2010 7:03:54 PM
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